

## *Gas Discharge at Low Pressures*

60. T.N. Nešić, G.S. Ristić, J.P. Karamarković, M.M. Pejović, "Modelling of time delay of electrical breakdown for nitrogen-filled tubes at pressures of 6.6 and 13.3 mbar in the increase region of the memory curve", *Journal of Physics D: Applied Physics*, 41, 225205 (10 pp), 2008.
59. M.M. Pejović and M.M. Pejović, Contribution of statistical time delay and formative time to total electrical breakdown time delay in argon for different afterglow periods, *J. Vacuum Science and Technology A*, 26 (5), 1326-1330, 2008.
58. M.M. Pejović and M.M. Pejović, "Memory effect in argon in the presence of vacuum and gas electrical breakdown mechanisms", *Appl. Phys. Lett.* 92, pp. 011507-1-2, 2008.
57. M.M. Pejović, J.P. Karamarković, G.S. Ristić and M.M. Pejović "Analysis of neutral active particles loss in afterglow in krypton at 2.6 mbar pressure", *Physics of Plasmas*, vol. 15, pp. 013502-1-1, 2008.
56. M.M. Pejović and M.M. Pejović, "Investigations of breakdown voltage and time delay of gas-filled surge arresters", *J. Phys. D: Appl. Phys.*, Vol. 39, pp. 4417-4422, 2006.
55. Č.A. Maluckov, J.P. Karamarković, M.K. Radović and M.M. Pejović, "Statistical analysis of the electrical time delay distribution in krypton", *Plasmas of Physics*, Vol. 13, pp. 08352-9, 2006
54. M.M. Pejović, N.T. Nešić and M.M. Pejović, "Analysis of low-pressure dc breakdown in nitrogen between two spherical iron electrodes", *Physics of Plasmas*, Vol. 13, pp. 022108-1-022108-8, 2006.
53. Č.A. Maluckov, J.P. Karamarković, M.K. Radović and M.M. Pejović, "The application of convolution-based statistical model on the electrical breakdown time delay distributions in neon under gamma and UV radiation" *IEEE Trans. Plasma Sci.*, vol. 34, no. 1, pp. 2-6, 2006.
52. M.M. Pejović and M.M. Pejović, "The influence of some species formed during the discharge and gamma and UV radiation on breakdown voltage and time delay in nitrogen and neon at low pressure" *Plasma Sources Science and Technology*, Vol. 14, pp. 492-500, 2005.
51. M.M. Pejović, M.M. Pejović and G.S. Ristić, "Gamma and UV radiation effects on breakdown voltage of neon-filled tube", *IEEE Trans. Plasma Sci.*, Vol. 33, pp. 1047-1052, 2005.
50. Č.A. Maluckov, J. P. Karamarković and M. K. Radović, "Investigation of the influence of overvoltage, auxiliary glow current and relaxation time on the electrical breakdown time delay distributions in neon", *Contrib. Plasma Physics*, vol. 45, No. 2, pp. 118-129, 2005.
49. Č.A. Maluckov, J.P. Karamarković, M.K. Radović M.M. Pejović, "The application of convolution-based statistical model on the electrical breakdown time delay distributions in neon", *Physics of Plasmas*, Vol. 11, No. 11, pp. 5328-5334, 2004.
48. M.M. Pejović, "Analysis of the memory effect in a nitrogen-filled tube at 6.6 mbar pressure for different cathode material using the time delay method", *Physics of Plasmas*, Vol. 11, No. 8, pp. 3778-3786, 2004.

47. M.M. Pejović, E.N. Živanović and M.M. Pejović, "Kinetics of ions and neutral active states in the afterglow and their influence on the memory effect in nitrogen at low pressures", J. Phys. D: Appl. Phys., Vol. 37, pp. 200-210, 2004.
46. I. Spasić, M.K. Radović, M.M. Pejović and C.A. Maluckov, The statistical time-delay and the breakdown formative time contributions to memory effect in Ne at 7 mbar pressure, J. Phys. D: Appl. Phys., Vol. 36, pp. 2515-2520, 2003.
45. M.M. Pejović, Č.S. Milosavljević and M.M. Pejović, "The estimation of static breakdown voltage for gas-filled tubes at low pressures using dynamic method", IEEE Trans. Plasma. Sci., Vol. 31, No. 4, pp. 776-780, 2003.
44. M.M. Pejović, Č.S. Milosavljević and M.M. Pejović, "Electrical system for measurement of breakdown voltage of vacuum and gas-filled tubes using a dynamic method", Rev. Sci. Instr., Vol. 74, No. 6, pp. 3127-3129, 2003.
43. Č. Maluckov, J. Karamarković and M. Radović, "Statistical analysis of electrical breakdown time delay distributions in neon tube at 13.3 mbar", IEEE Trans. On Plasma Science, vol. 31, no 6, pp. 1344-1348, Dec. 2003.
42. M.M. Pejović, G. S. Ristić, Č.S. Milosavljević and M.M. Pejović, "Influence of tube wall material type and tube temperature on the recombination processes of ions and atoms in afterglow", J. Phys. D: Appl. Phys., Vol. 35, pp.2536-2542, 2002.
41. M.M. Pejović, G.S. Ristić, "Memory effect in argon, nitrogen and hydrogen", IEEE Trans. Plasma Sci., Vol. 30, No. 3, pp. 1315-1319,2002.
40. M.M. Pejović, G.S. Ristić and J.P. Karamarković "Electrical breakdown in low pressure gases", Topical Review u J. Phys. D: Appl. Phys., Topical Review, Vol.35, pp. R91-R103, 2002.
39. M.M. Pejović and G.S. Ristić, "Analysis of mechanisms which lead to electrical breakdown in argon using the time delay method", Physics of Plasmas, Vol. 9, No.1, 2002.
38. Z.Lj. Petrović, V.Lj. Marković, M.M. Pejović and S.R. Gocić, "Memory effects in the afterglow: Open questions on long-lived species and the role of surface processes", J. Phys. D: Appl. Phys., Vol.34, pp. 1756-1768, 2001.
37. M.M. Pejović and G.S. Ristić, "Analysis of mechanisms which lead to electrical breakdown in a krypton-filled tube using the time delay method", J. Phys. D: Appl. Phys., Vol. 33, pp. 2786-2790, 2000.
36. M.M. Pejović and G.S. Ristić, "Nitrogen-filled tube as a sensor of ionizing radiation", Rev. Sci. Instrum., Vol. 71, pp. 2377-2379, 2000.
35. J.P. Karamarković, G.S. Ristić and M.M. Pejović, "The analysis of breakdown probability using time delay method", Bulgarin J. Phys., Vol. 27, No. 3, pp. 42-45,2000.
34. M.M. Pejović, G.S. Ristić and Z.Lj. Petrović, "Influence of light from nitrogen-filled lamps on the time delay of electrical breakdown in nitrogen-filled tubes", J. Phys. D: Appl. Phys., Vol. 32, pp. 1489-1493, 1999.

33. M.M. Pejović, G.S. Ristić, Č.S. Milosavljević, P.D. Vuković, J.P. Karamarković, "Statistical reliability of time delay values for nitroge-filled tube at pressure of 1.3,mbar", VACUUM-Surf. Engn., Surf. Instr. and Vacuum Thech. Vol. 53, pp. 435-440,1999.
32. M.M. Pejović, J.P. Karamarković, G.S. Ristić, "The application of time delay method for analysis of process which initiate electrical breakdown in 1.3 mbar nitrogen ", IEEE Trans. Plasma Sci., Vol. 26, No. 6, pp. 1733-1737, 1998.
31. M.M. Pejović, V.Lj. Marković, G.S. Ristić, S.I. Mekić, "Efficiency of copper and gold cathode in initiation of secondary emission in nitrogen-filled tube", VACUUM-Surf. Eng.-Surf. Inst. and Vac. Techn., Vol. 48, pp. 531-534, 1997.
30. V.Lj. Marković, Z.Lj. Petrović, M.M. Pejović, "Modelling of charged particle decay in nitrogen afterglow", Plasma Sources Sci. Technol., Vol. 6, pp. 240-246, 1997.
29. V.Lj. Marković, Z.Lj. Petrović and M.M. Pejović, "Gas phase model of surface recombinations for N2 afterglow", J. Phys. III France, Vol. 6, pp. 959-973, 1996.
28. V. Marković, M. Pejović and Z. Petrović, "Surface recombination in the breakdown time delay experiments: the effect of different cathode materials", Plasma Chem. and Plasma Processing, Vol. 16, pp. 195-205, 1996.
27. M. Pejović, J. živković, Č. Milosavljević and G.Ristić, "Formative time determination in nitrogen-filled tube using statistical methods", Jpn. J. Appl. Phys., Vol. 34, pp. 1652-1656, 1995.
26. V. Marković, Z. Petrović and M. Pejović, "Influence of impurities on surface recombination of nitrogen atoms in late afterglow", Jpn. J. Appl. Phys., Vol. 34, pp. 2466-2470, 1995.
25. V. Marković, Z. Petrović and M. Pejović, "Surface recombination of atoms in a nitrogen afterglow", J. Chem. Phys., Vol. 100, No. 11, pp. 8514-8521, 1994.
24. V. Marković, M. Pejović and Z. Petrović, "Kinetics of activated nitrogen states in late afterglow by the time-delay method", J. Phys. D: Appl. Phys., Vol. 27, pp. 979-984, 1994.
23. V. Marković, M. Pejović and Z. Petrović, "Explanation of memory curve for nitrogen by surface-catalised excitation", J. Phys. D: Appl. Phys., Vol. 26, pp. 1611-1613, 1993.
22. M. Pejović and V. Marković, "Decay of positive space charge in nitrogen afterglow", J. Phys. D: Appl. Phys., Vol. 25, pp. 1217-1220, 1992.
21. M. Pejović, V. Marković and S. Mekić, "Electrical breakdown time delay distribution in nitrogen for small value of the afterglow period", J. Phys. D: Appl. Phys., Vol. 24, pp. 779-781, 1991.
20. M. Pejović, V. Marković and Č. Milosavljević, "Separation of ionic and metastable contributions to breakdown initiation in nitrogen", J. Phys. D: Appl. Phys., Vol. 24, pp. 677-680, 1991.
19. M. Peyovich, R. Filipovich, "Isledovanie napryadzeniya proboya gazovogo razryada", Svetotehnika, Tom. 10, str. 14-16,1989.
18. M. Pejović and R. Filipović, "Method for determining the breakdown voltage in gas-filled tubes", Int. J. Electronics, Vol. 67 (No. 2), pp. 251-256, 1989.

17. M.M. Pejović, M.K. Radović, "Influence of electrode temperature on auxiliary discharge on the electrical breakdown in helium", *Acta Phys. Acad. Sci. Hungarica*, Vol. 65, No. 1, pp. 19-23, 1989.
16. M. Pejović and G. Krstić, "Non-radiative lifetime of metastable states in helium and helium-neon mixture", *J. Phys. D: Appl. Phys.*, Vol. 22, pp. 235-237, 1989.
15. M. Peyovich and B. Miyovich, "Elektricheskoy proboy vyzvanny polodzitelnimi ionimi i metastabilnimi sostoyaniyami v nekatoryh gazah pri ponidzennom davlenii", *Dh.urnal Teh. Fiz.*, Tom. 58, Vol. 11, str. 2124-2128 (English transl. *Sov. Phys.-Tech. Phys.*, Vol. 33, pp. 1290), 1988.
14. M.M. Pejović, Dj.A. Bošan and S.M. Golubović, "Generation of metastables in nitrogen glow discharge", *Acta Phys. Acad. Sci. Hungarica*, Vol. 59, No. 273-278, 1986.
13. Dj.A. Bošan and M.M. Pejović, "Generation of metastables at 637 K and their deexcitation in flowing gases", *Acta Phys. Hungarica*, Vol. 59, No. 3-7, pp. 239-245, 1986.
12. M.M. Pejović, B.J. Mijović and Dj.A. Bošan, "Influence of electrode surface and some gas phase processes on electrical breakdown in nitrogen-filled diodes", *J. Phys. D: Appl. Phys.*, Vol. 17, pp. 351-55, 1984.
11. M.M. Pejović, B.J. Mijović and Dj.A. Bošan, "Laue distribution on large values of time delay of electrical breakdown in nitrogen", *J. Phys. D: Appl. Phys.*, Vol. 16, pp. 1953-1957, 1983.
10. M.M. Pejović, B.J. Mijović and Dj.A. Bošan, "Memory curves in the rare gases", *J. Phys. D: Appl. Phys.*, Vol. 16, pp. L149-151, 1983.
9. M.M. Pejović and B. Dimitrijević, "Electrical breakdown induced by long lived metastable states in nitrogen", *J. Phys. D: Appl. Phys.*, Vol. 15, pp. L87-90, 1982.
8. M.M. Pejović, Dj.A. Bošan and B.A. Nallbani, "Relation between secondary ionization coefficient and electrical breakdown in nitrogen", *J. Phys. D: Appl. Phys.*, Vol. 15, pp. L31-34, 1982.
7. M.M. Pejović, Dj.A. Bošan and Z. Nikolić, "Distribution of time delay of electrical breakdown in nitrogen", *J. Phys. D: Appl. Phys.*, Vol. 15, pp. 867-872, 1982.
6. M.M. Pejović, Dj.A. Bošan and Dj.M. Krmpotić, "Influence of electrode material on time delay of electrical breakdown in gases", *Contributions to Plasma Physics*, Vol. 21, No. 3, pp. 211-214, 1981.
5. M.M. Pejović, and Dj.A. Bošan, "Influence of electrode temperature on the metastable atom concentration in argon-filled diode", *J. Phys. D: Appl. Phys.*, Vol. 14, pp. 693-698, 1981.
4. Dj.A. Bošan and M.M. Pejović, "Influence of cathode material work function on secondary emission of electrons induced by metastable states in gases", *FIZIKA, Journal of Experim. and Theoret. Physics*, Vol. 12 (S1), pp. 371-374, 1980.
3. Dj.A. Bošan, M.M. Pejović and M.V. Vujović, "Metastable states in gases with lives over 24 hours", *Acta Phys. Acad. Sci. Hungarica*, Vol. 49 (No. 1-3), pp. 23-38, 1980.

2. Dj.A. Bošan and M.M. Pejović, "Dependence of time delay of breakdown on electrodes temperature in nitrogen-filled diodes", J. Phys. D: Appl. Phys., Vol. 12, pp. 1699-1702, 1979.
1. M.M. Pejović, D.V. Petrović, "Monte-Carlo simulation of hotcarrier noise", FIZIKA, a Journal of Experim. and Theoret. Physics, Vol. 8, pp. 61-62, 1976.